

10045458\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10045458 on August 18, 2005

- 25 704/229 (12 OR, 13 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
                   LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
                   COMPRESSION/DECOMPRESSION  
       704/200 SPEECH SIGNAL PROCESSING  
       704/201 .For storage or transmission  
       704/229 ..Adaptive bit allocation
  
- 21 704/230 (4 OR, 17 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
                   LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
                   COMPRESSION/DECOMPRESSION  
       704/200 SPEECH SIGNAL PROCESSING  
       704/201 .For storage or transmission  
       704/230 ..Quantization
  
- 20 704/200.1 (9 OR, 11 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
                   LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
                   COMPRESSION/DECOMPRESSION  
       704/200 SPEECH SIGNAL PROCESSING  
       704/200.1 .Psychoacoustic
  
- 10 704/205 (2 OR, 8 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
                   LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
                   COMPRESSION/DECOMPRESSION  
       704/200 SPEECH SIGNAL PROCESSING  
       704/201 .For storage or transmission  
       704/205 ..Frequency
  
- 8 381/17 (3 OR, 5 XR)  
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS  
                   AND DEVICES  
       381/1 BINAURAL AND STEREOPHONIC  
       381/17 .Pseudo stereophonic
  
- 7 381/98 (2 OR, 5 XR)  
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS  
                   AND DEVICES  
       381/98 INCLUDING FREQUENCY CONTROL
  
- 6 381/1 (4 OR, 2 XR)  
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS  
                   AND DEVICES  
       381/1 BINAURAL AND STEREOPHONIC
  
- 6 704/203 (0 OR, 6 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
                   LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
                   COMPRESSION/DECOMPRESSION  
       704/200 SPEECH SIGNAL PROCESSING  
       704/201 .For storage or transmission  
       704/203 ..Transformation
  
- 5 704/224 (0 OR, 5 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
                   LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
                   COMPRESSION/DECOMPRESSION

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	704/200	SPEECH SIGNAL PROCESSING
	704/201	.For storage or transmission
	704/224	..Normalizing
5	704/500	(3 OR, 2 XR)
	Class 704 :	DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
	704/500	AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSION
4	381/312	(1 OR, 3 XR)
	Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/312	HEARING AIDS, ELECTRICAL
4	381/60	(3 OR, 1 XR)
	Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/58	MONITORING/MEASURING OF AUDIO DEVICES
	381/60	.Testing of hearing aids
4	381/61	(1 OR, 3 XR)
	Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
	381/61	SOUND EFFECTS
4	600/559	(3 OR, 1 XR)
	Class 600 :	SURGERY
	600/300	DIAGNOSTIC TESTING
	600/559	.Ear or testing by auditory stimulus
4	704/200	(0 OR, 4 XR)
	Class 704 :	DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
	704/200	SPEECH SIGNAL PROCESSING
4	704/225	(1 OR, 3 XR)
	Class 704 :	DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
	704/200	SPEECH SIGNAL PROCESSING
	704/201	.For storage or transmission
	704/225	..Gain control
4	704/226	(0 OR, 4 XR)
	Class 704 :	DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
	704/200	SPEECH SIGNAL PROCESSING
	704/201	.For storage or transmission
	704/226	..Noise
4	704/501	(0 OR, 4 XR)
	Class 704 :	DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
	704/500	AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSION
	704/501	.with content reduction encoding
3	375/240	(0 OR, 3 XR)

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- Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/240 BANDWIDTH REDUCTION OR EXPANSION
- 3 375/241 (1 OR, 2 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/240 BANDWIDTH REDUCTION OR EXPANSION
  - 375/241 .Pulse code modulation
- 3 375/243 (2 OR, 1 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/242 PULSE CODE MODULATION
  - 375/243 .Correcting or reducing quantizing errors
- 3 381/2 (2 OR, 1 XR)
  - Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
  - AND DEVICES
  - 381/1 BINAURAL AND STEREOPHONIC
  - 381/2 .Broadcast or multiplex stereo
- 3 381/314 (1 OR, 2 XR)
  - Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
  - AND DEVICES
  - 381/312 HEARING AIDS, ELECTRICAL
  - 381/314 .Programming interface circuitry
- 2 341/50 (0 OR, 2 XR)
  - Class 341 : CODED DATA GENERATION OR CONVERSION
  - 341/50 DIGITAL CODE TO DIGITAL CODE CONVERTERS
- 2 375/240.03 (1 OR, 1 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/240 BANDWIDTH REDUCTION OR EXPANSION
  - 375/240.01 .Television or motion video signal
  - 375/240.02 ..Adaptive
  - 375/240.03 ...Quantization
- 2 375/240.11 (0 OR, 2 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/240 BANDWIDTH REDUCTION OR EXPANSION
  - 375/240.01 .Television or motion video signal
  - 375/240.08 ..Feature based
  - 375/240.1 ...Separate coders
  - 375/240.11 ....Subband coding
- 2 379/202.01 (1 OR, 1 XR)
  - Class 379 : TELEPHONIC COMMUNICATIONS
  - 379/201.01 SPECIAL SERVICES
  - 379/202.01 .Conferencing
- 2 380/206 (0 OR, 2 XR)
  - Class 380 : CRYPTOGRAPHY
  - 380/200 VIDEO CRYPTOGRAPHY
  - 380/205 .Video electric signal masking
  - 380/206 ..Masking of synchronization signal
- 2 380/207 (0 OR, 2 XR)
  - Class 380 : CRYPTOGRAPHY
  - 380/200 VIDEO CRYPTOGRAPHY
  - 380/205 .Video electric signal masking
  - 380/207 ..Including locally generated masking signal
- 2 380/237 (0 OR, 2 XR)
  - Class 380 : CRYPTOGRAPHY

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380/200	VIDEO CRYPTOGRAPHY
380/210	.Video electric signal modification (e.g., scrambling)
380/236	..Modifying accompanying audio signal
380/237	...Including digital audio
2 380/238 (0 OR, 2 XR)	
Class 380 :	CRYPTOGRAPHY
380/200	VIDEO CRYPTOGRAPHY
380/210	.Video electric signal modification (e.g., scrambling)
380/236	..Modifying accompanying audio signal
380/238	...Including frequency modification of audio signal or frequency shifting of audio carrier
2 381/103 (0 OR, 2 XR)	
Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
381/98	INCLUDING FREQUENCY CONTROL
381/103	.Having automatic equalizer circuit
2 381/18 (1 OR, 1 XR)	
Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
381/1	BINAURAL AND STEREOPHONIC
381/17	.Pseudo stereophonic
381/18	..Pseudo quadrasonic
2 381/23.1 (0 OR, 2 XR)	
Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
381/1	BINAURAL AND STEREOPHONIC
381/23.1	.Hearing aid
2 381/321 (0 OR, 2 XR)	
Class 381 :	ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
381/312	HEARING AIDS, ELECTRICAL
381/321	.Wideband gain control
2 700/28 (2 OR, 0 XR)	
Class 700 :	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS
700/1	GENERIC CONTROL SYSTEM, APPARATUS OR PROCESS
700/28	.Optimization or adaptive control
2 700/280 (0 OR, 2 XR)	
Class 700 :	DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS
700/90	SPECIFIC APPLICATION, APPARATUS OR PROCESS
700/275	.Mechanical control system
700/280	..Vibration or acoustic noise control
2 704/201 (0 OR, 2 XR)	
Class 704 :	DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200	SPEECH SIGNAL PROCESSING
704/201	.For storage or transmission
2 704/206 (0 OR, 2 XR)	
Class 704 :	DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

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                                COMPRESSION/DECOMPRESSION
704/200    SPEECH SIGNAL PROCESSING
704/201    .For storage or transmission
704/205    ..Frequency
704/206    ...Specialized information

2 704/212    (1 OR, 1 XR)
    Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                COMPRESSION/DECOMPRESSION
704/200    SPEECH SIGNAL PROCESSING
704/201    .For storage or transmission
704/211    ..Time
704/212    ...Pulse code modulation (PCM)

2 704/219    (0 OR, 2 XR)
    Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                COMPRESSION/DECOMPRESSION
704/200    SPEECH SIGNAL PROCESSING
704/201    .For storage or transmission
704/219    ..Linear prediction

2 704/222    (2 OR, 0 XR)
    Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                COMPRESSION/DECOMPRESSION
704/200    SPEECH SIGNAL PROCESSING
704/201    .For storage or transmission
704/221    ..Pattern matching vocoders
704/222    ...Vector quantization

2 704/227    (0 OR, 2 XR)
    Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                COMPRESSION/DECOMPRESSION
704/200    SPEECH SIGNAL PROCESSING
704/201    .For storage or transmission
704/226    ..Noise
704/227    ...Pretransmission

2 704/269    (0 OR, 2 XR)
    Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                COMPRESSION/DECOMPRESSION
704/200    SPEECH SIGNAL PROCESSING
704/258    .Synthesis
704/269    ..Transformation

2 713/176    (2 OR, 0 XR)
    Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                SYSTEMS: SUPPORT
713/150    MULTIPLE COMPUTER COMMUNICATION USING
                CRYPTOGRAPHY
713/168    .Particular communication authentication
                technique
713/176    ..Authentication by digital signature
                representation or digital watermark

2 713/179    (0 OR, 2 XR)
    Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                SYSTEMS: SUPPORT
713/150    MULTIPLE COMPUTER COMMUNICATION USING

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CRYPTOGRAPHY

- 713/168 .Particular communication authentication technique
- 713/176 ..Authentication by digital signature representation or digital watermark
- 713/179 ...Including generation of associated coded record